

U. S. DEPARTMENT OF AGRICULTURE.

REPORT FOR NOVEMBER, 1901.

ALABAMA SECTION

OF THE

CLIMATE AND CROP SERVICE

OF THE

WEATHER BUREAU.

PUBLISHED BY AUTHORITY OF THE SECRETARY OF AGRICULTURE.

PREPARED UNDER DIRECTION OF

WILLIS L. MOORE,

CHIEF OF WEATHER BUREAU.

BY

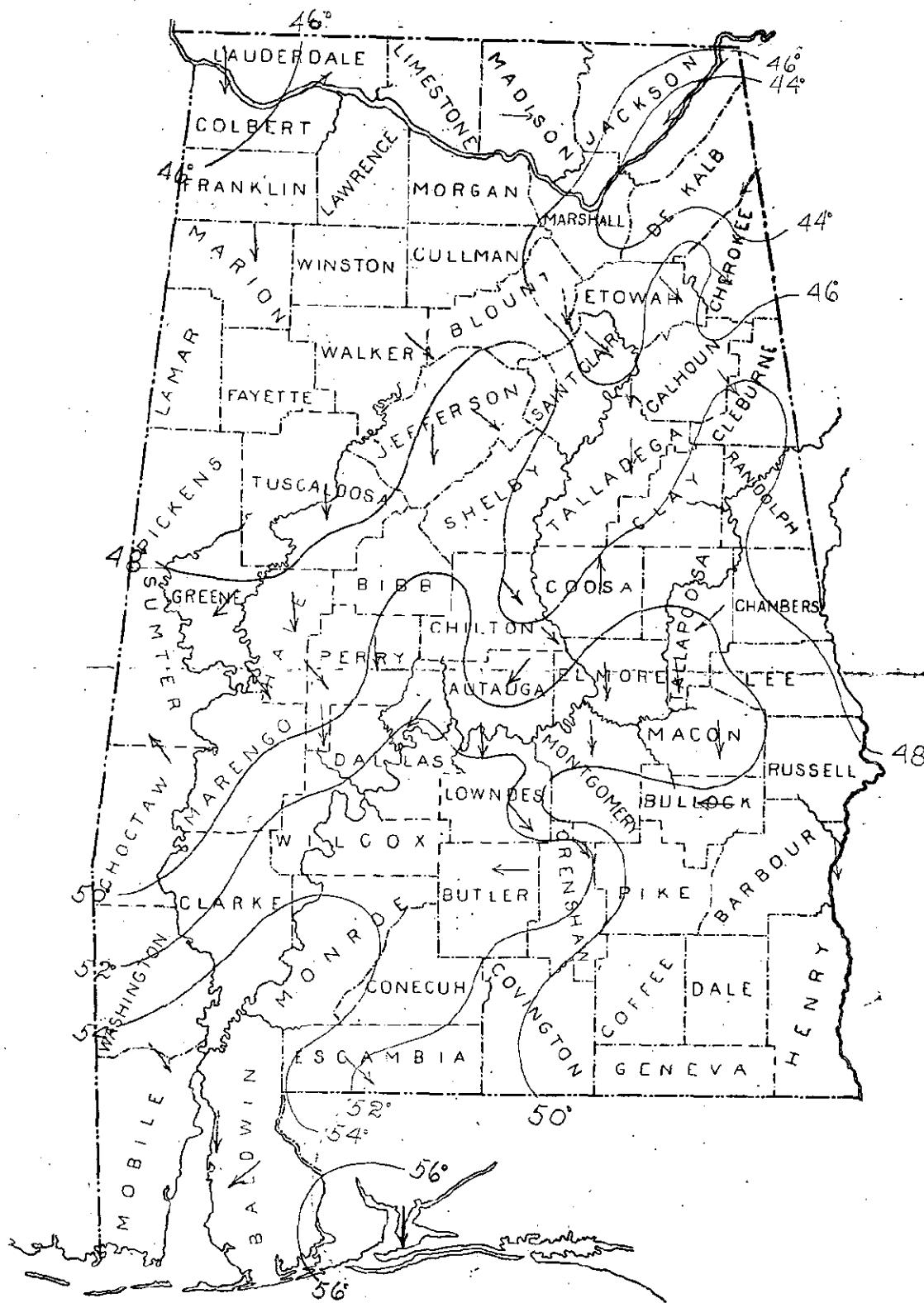
FRANK P. CHAFFEE,

SECTION DIRECTOR,



MONTGOMERY, ALA.
WEATHER BUREAU OFFICE.

MEAN TEMPERATURE AND PREVAILING WINDS, NOVEMBER.



U. S. DEPARTMENT OF AGRICULTURE,

CLIMATE AND CROP SERVICE

OF THE

WEATHER BUREAU.

CENTRAL OFFICE: WASHINGTON, D. C.

ALABAMA SECTION,

FRANK E. CHAFFEE, Section Director,
MONTGOMERY, ALA.

VOL 6.

MONTGOMERY, ALA.

No. 11

CANAIGRE.

The demands for hemlock, chestnut, and oak barks and sumach leaves for manufacturing tannic acid for making leather have largely exhausted the supply, and increased their value to such a point that the tanyard owners are confused to know how they are to get tannin to continue their business. Two years ago editorials appeared in the Southern Agriculturist advising the farmers of south-Alabama to go into the culture of the ca-na-igre plant, which contains more tannic acid than any of the barks of trees that are now in use. Ca-na-igre belongs to the dock family, and grows wild in Arizona, Texas, and New Mexico, plants can be procured from either of these states to make a beginning, and after the first year, enough roots can be saved to furnish seed for the next year. This plant delights to grow in sandy, dry soils, such as will be found on the Gulf coast.

The Experiment Station at Tucson, Arizona, has cultivated the canaigre plant, dried it, pulverized, and had it analyzed, which showed that it contained 24 per cent of tannic acid, while hemlock bark has but 10 per cent of tannin. It should be planted this fall and it will bloom next spring. Where loose, sandy soil is selected for planting, it should be broken thoroughly; single roots of plants are dropped in rows nearly three feet apart, eight inches apart in the rows, and five inches deep. When the young leaves begin coming up, they look like a field of beets or sweet potato vines. In fact, the roots of the canaigre plants have the general external appearance of the sweet potato even to time of digging, and they are produced in hills of from three to a dozen, varying in size and quality. The weight of each tuber is from 2 to 18 ounces, and when a hill is first pulled up a stranger might declare that it was a hill of wild sweet potatoes.

An acre carefully cultivated will yield 15 to 20 tons of green roots, which, when dried for shipment, will shrink to 5 to 8 tons. The value of canaigre root properly dried varies somewhat in the United States and in Europe. In the rough dried state, canaigre roots sell at \$25 per ton, but the price in Europe is about \$50, and the supply has not been equal to the demand. This is due partly to the fact that only recently the value of the plant has been demon-

strated, and the industry is just getting started. The tannic acid from canaigre is superior to that obtained from any barks or leaves, and it is especially adapted to tanning uppers, fine saddlery, and fancy leathers. According to the present demand for dried canaigre, the roots are \$150 per acre. The cost of planting and cultivating a crop of canaigre is about the same as that of a sweet potato crop, which make the profits quite large.—Southern Agriculturist.

FARMING OPERATIONS.

The month was quite favorable for gathering late crops, but only moderately favorable for sowing fall grains and germination of seed; temperatures averaged considerably below the normal, and the rainfall was generally deficient. The first killing frost of the season occurred on the 5th or 6th in north-central and northern counties, and throughout other portions of the state on the 16th or 17th; it was accompanied with freezing temperatures to the coast, and nipped some late cotton and fall vegetables. Nearly all crops have been gathered; sugar cane made a generally light yield, but the syrup is of good quality; sweet potatoes yielded well; other minor crops gave fair yields. Considerable plowing has been done, and about the usual acreage devoted to wheat, but sowing of oats has been somewhat delayed by the dry weather; the early sown of these grains made fairly good stands, and are in good condition, but the weather has been too dry for the late sown.

OBSERVERS' NOTES:

Ashville, St. Clair county: A few meteors were visible during the early night of the 13th, and a larger number in the early morning of the 15th.—Geo. R. Cather.

Daphne, Baldwin county: Thin ice formed on the mornings of the 16th and 17th.—John H. Young.

Eutaw, Greene county: On the morning of the 16th, there was a thin film of ice on stagnant water.—J. P. Barclay, M. D.

Hamilton, Marion county: Farmers have about finished gathering late crops; freezing weather did some damage to grain that had recently sprouted.—E. F. Cauthen.

Lock No. 4, Talladega county: The first ice formed on the morning of the 5th.—H. J. Rossiter.

Marion, Perry county: Ice formed on the mornings of the 16th, 17th, and 20th.—J. S. Gaillard.

Oneonta, Blount county: Crops about all gathered and housed; much stubble plowed; wheat being sown.—Aquilla J. Ketchum.

Oxanna, Calhoun county: The weather has been favorable for farm work, and wheat and oats are being sown; solar corona on the 22nd.—J. W. Clardy.

Pushmataha, Choctaw county: Much clear, cool weather during the month, with more frosts than usual; very little thunder.—C. C. Brown.

Valley Head, DeKalb county: Lunar halo on the 27th.—E. P. Nicholson, M. D.

Personal and General.

The initial report of Mr. J. P. Boyd, our new voluntary observer at Elba, appears in this issue. Judging from his complete report, we have another good observer at that place.

Dr. John Gordon, who for so many years maintained an unbroken record at Healing Springs, has moved away from that place, and we thereby lose the services of one of our most excellent observers. However, we will not lose that station from our list, Prof. J. M. Quarles having agreed to keep the record there.

We regret to note that no record was kept at Newburg during October and November, owing to absence of the observer; the record will be resumed there December 1st.

A new method of adjusting the maximum thermometer will soon be put in use in this Section, and the attention of observers is specially invited to a circular which will soon be issued from the Section Center relative to the matter.

Observers are requested to note the following in measuring snowfall: The amount of snow in the receiver, or in the tube, should be melted, and measured the same as rainfall; one of the easiest ways to melt the snow is to pour upon it a measured quantity of warm water; after the snow has melted, draw off the measured water which was poured on the snow, and discard it; the water remaining to be measured will be the amount of melted snow; the estimated depth of snowfall, unmelted, should also be entered in the proper column on form 1009.

Comparative Data.

The following table gives the mean and highest and lowest temperatures, and average precipitation for Alabama during the month of November, for the years 1891 to 1900, inclusive:

Data.	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900
Temperature, Mean...	53	54	54	52	51	58	55	50	56	55
do Highest...	90	89	86	85	84	90	85	87	83	86
do Lowest...	12	20	15	11	18	14	21	12	18	23
Average Precipitation.	5.06	3.60	2.80	0.71	1.64	4.20	2.03	5.60	3.04	3.88

CLIMATIC SUMMARY FOR THE MONTH

TEMPERATURE—IN DEGREES FAHRENHEIT.

The monthly mean for the entire state was 48.8, or about four and one-half degrees below the normal; mean for the northern district, 46.8; mean for the southern district, 51.8.

The highest monthly mean was 55.8, at Citronelle.

The lowest monthly mean was 42.7, at Scottsboro.

The highest recorded was 84, at Bermuda, Eutaw, and Tuskegee on the 2nd.

The lowest recorded was 16, at Scottsboro on the 16th,

and at Ashville on the 17th.

The monthly range, within the state limits, was 68.

The greatest daily range was 48, at Evergreen on the 3rd and 4th.

The warm periods were 1st to 3rd; 9th to 11th.

The cool periods were 5th to 7th; 16th to 24th; 27th to 31st.

PRECIPITATION—IN INCHES AND HUNDREDTHS.

Monthly mean for the entire state was 1.85, or about one and one-third inch below the normal; mean for the northern district, 1.67, or about one and two-thirds inch below the normal for that district; mean for the southern district, 2.03, or about one inch below the normal for that district.

The greatest monthly amount was 5.14, at Uniontown.

The least monthly amount was 0.17, at Cordova.

The greatest in any 24 consecutive hours was 2.47, at Uniontown on the 3rd.

The rainy periods were 3rd and 4th; 12th; 18th and 19th; 22nd and 23rd.

WIND.

Pervailing direction for the month was from the north.

The highest hourly velocity was 36 miles from the south, at Mobile on the 22nd.

The total monthly movement at Meridian, Miss., was 3,302 miles; Mobile, 4,951 miles; Montgomery, 4,130 miles; Pensacola, Fla., 6,625 miles.

WEATHER.

Average number of clear days, 20.

Average number of partly cloudy days, 4.

Average number of cloudy days, 6.

Average number of days with rain (.01 inch or more), 4.

MISCELLANEOUS.

FOGS.—20th, Birmingham, Oneonta, Prattville; 21st, Birmingham; 24th, Birmingham, Hamilton; 29th, Birmingham.

FROST.—First killing, except where previously reported in September and October publications: occurred very generally in north-central and northern portions on the 5th or 6th, and throughout the rest of the state on the 16th or 17th.

HALOS.—Lunar: 27th, Valley Head. Solar: 22nd, Oxanna.

SLEET.—18th, Ashville and Oneonta.

THUNDERSTORMS.—3rd, Hamilton and Newberne; 18th, Eutaw, Montgomery, Newberne, Prattville; 19th, Camp Hill; 22nd, Mobile; 23rd, Oneonta.

ERRATA.—October, 1901, report, page 5: Opelika, temperature, departure from normal, +1.4, should be -1.4.

Climatological data for November, 1901.

Stations.	Counties.	Elevation—feet.	Temperature—in degrees Fahrenheit.						Precipitation—in inches.						Sky.			Observers.	
			Record—years.	Monthly mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmeted).	Number of rainy days.	Number of partly cloudy days.	Number of cloudy days.		
NORTHERN DISTRICT.																			
Ashville.	St. Clair.	685	7	45.2	-6.4	74	1	16	17	32	1.63	-1.16	0.83	.....	4	20	4	n.	Geo. R. Cather.
Atlanta, Ga.	Fulton.	1,131	21	47.2	-4.8	76	1	25	17	28	0.99	-2.42	0.49	.....	4	15	10	n.w.	J. B. Murbury.
Birmingham.	Jefferson.	608	12	49.8	-4.1	81	2	24	17	35	1.72	-1.32	0.39	.....	7	20	6	n.w.	Ben. M. Jacobs.
Bridgeport.	Jackson.	660	3	.....	.....	.....	.....	.....	.....	1.46	.....	0.54	.....	6	14	3	13	Maggie Hinckle.	
Calera.	Shelby.	500	0	.....	.....	.....	.....	.....	.....	1.79	.....	0.92	.....	4	27	2	1	H. C. Martin.	
Chattanooga, Tenn.	Marion.	762	19	46.2	-4.7	76	1	23	17	36	1.10	-2.54	0.50	T.	4	13	15	2	L. M. Bindell.
Columbus, Miss.	Lowndes.	250	.....	.....	.....	.....	.....	.....	.....	2.03	.....	0.65	.....	6	20	2	8	n.	
Cordova.	Walker.	331	.....	.....	.....	.....	.....	.....	.....	0.17	.....	0.17	.....	1	22	0	7	n.w.	
Decatur†.	a. b.	573	18	46.1	+0.2	77	1	18	17	41	1.88	-1.83	0.72	.....	4	18	3	7	J. M. Vickroy.
Florence.	Lanierdale.	503	16	46.8	-3.9	82	1	19	17	36	1.16	-2.40	0.53	.....	5	24	4	2	Richard Smith.
Gadsden.	Etowah.	621	14	47.1	-3.7	82	1	17	17	35	2.03	-1.54	0.77	.....	6	23	1	6	Prof. D. P. Goodhue.
Goodwater†.	Coosa.	820	6	49.3	-5.6	78	1	22	17	29	1.84	-0.90	0.79	.....	5	17	6	7	Mrs. F. Diegan.
Hamilton.	Marion.	.....	4	46.4	-5.9	50	2	17	17	35	2.12	-1.68	0.50	.....	7	22	0	8	E. F. Caughen.
Helema §.	Shelby.	400	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	D. S. Moore.	
Lock No. 4†.	Talladega.	510	3	46.7	-6.4	78	1	19	17	36	1.10	-1.75	0.45	.....	5	17	2	11	H. J. Rosister.
Madison.	Madison.	573	6	47.6	-3.0	80	1	18	17	32	2.20	-0.88	0.62	.....	4	25	1	3	w.
Maple Grove.	Cherokee.	.....	7	45.2	-6.1	79	1	18	16	40	1.77	-1.37	0.62	.....	5	18	2	4	n.w.
Nashville, Tenn.	Davidson.	553	29	45.2	-3.2	73	2	22	17	36	0.85	-2.99	0.33	.....	6	20	5	5	H. C. Bate.
Newburg.	Franklin.	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Alva J. Richerson.	
Oneonta.	Blount.	857	6	44.8	-5.7	77	3	17	17	34	2.02	-0.73	0.55	.....	4	15	5	10	Aquilla J. Ketchum.
Oxanna.	Calhoun.	650	9	49.2	-3.3	79	2	18	17	38	1.44	-1.44	0.55	.....	4	21	6	3	J. W. Clardy.
Riverton.	Colbert.	3	45.2	-4.7	79	2	18	17	38	1.70	-2.54	0.79	.....	6	12	3	15	E. R. Nelles.	
Rome, Ga.†.	Floyd.	576	18	45.2	-5.0	78	1	18	17	32	1.53	-1.72	0.60	T.	4	19	0	11	W. M. Towers.
Scottsboro.	Jackson.	5	17	44.7	-7.6	75	1	16	16	36	2.01	-1.08	0.84	.....	6	15	7	8	D. K. Caldwell, Jr.
Talladega.	Talladega.	554	10	47.8	-5.0	80	2	18	17	35	1.32	-2.49	0.62	.....	4	23	3	4	Prof. W. S. Goss.
Tupelo, Miss. §.	.....	270	2	.....	.....	.....	.....	.....	.....	2.01	.....	0.70	.....	4	24	2	4	W. H. Armstrong.	
Tuscaloosa.	Tuscaloosa.	230	19	47.4	-5.8	80	3	23	17	31	2.30	-0.78	0.90	.....	4	19	3	5	W. S. Wyman.
Tuscumbia.	Colbert.	458	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. L. Lassiter.	
Valley Head.	De Kalb.	1,031	15	43.8	-4.9	78	2	18	29	41	2.40	-0.89	1.40	.....	2	23	2	5	Dr. E. P. Nicholson.
SOUTHERN DISTRICT.																			
Benton§.	Lowndes.	149	0	52.8	-3.5	84	2	23	17	33	2.67	.....	1.18	.....	4	19	4	7	S. T. Pruitt.
Bermuda.	Conecuh.	13	.....	.....	.....	.....	.....	.....	.....	1.60	-1.24	1.40	.....	3	24	0	6	Carl Fowler.	
Burkville§.	Lowndes.	163	.....	.....	.....	.....	.....	.....	.....	2.42	.....	1.32	.....	5	22	5	3	J. A. Rampey.	
Camp Hill.	Tallapoosa.	738	0	50.2	.....	81	1	21	17	32	1.25	0.74	0.50	.....	5	22	3	6	Prof. E. O. Hellier.
Citronelle.	Mobile.	331	12	55.8	-3.8	82	3	31	15	31	1.54	-1.54	0.50	.....	5	22	3	5	Dr. J. G. Michael.
Clanton.	Chilton.	590	7	47.7	-6.6	76	2	24	17	36	2.26	-0.60	1.51	.....	4	11	12	7	Dr. W. E. Stewart.
Daphne.	Baldwin.	9	54.4	-4.5	.....	.....	.....	.....	.....	2.15	+0.03	1.90	.....	2	14	4	3	John H. Young.	
Demopolis†.	Marengo.	.....	.....	.....	.....	.....	.....	.....	.....	2.87	+0.25	1.31	.....	4	25	2	2	E. P. Pegram.	
Elba.	Coffey.	404	7	49.4	-6.3	86	1	22	16	36	3.05	-0.65	1.33	.....	4	22	0	8	J. P. Boyd.
Eufaula†.	Barbour.	200	16	49.5	-5.8	81	2	23	17	37	1.11	-1.87	0.92	.....	3	24	4	2	O. T. Moore.
Entwurf.	Green.	185	0	49.8	.....	84	2	24	16	36	2.90	.....	1.52	.....	4	19	5	4	J. P. Barclay, M. B. C. Hawkins.
Evergreen.	Conecuh.	16	52.8	-3.3	87	1	24	29	43	0.50	-3.35	0.25	.....	3	21	3	6	J. W. Agnew.	
Floマton.	Escambia.	91	.....	51.9	.....	86	2	24	17	38	1.30	.....	0.68	.....	2	15	10	5	R. D. Busbee.
Fort Deposit†.	Lowndes.	520	16	50.8	-5.1	86	3	29	27	37	2.20	-0.67	1.20	.....	2	22	0	7	W. E. W. Verby.
Greensboro.	Hale.	220	21	49.2	-6.1	78	2	26	16	36	2.59	-1.39	1.28	.....	4	21	2	7	J. T. Knight.
Greenville §.	Butler.	444	0	.....	.....	.....	.....	.....	.....	2.31	.....	1.30	.....	4	24	2	4	Dr. John Gordon.	
Healing Springs†.	Washington.	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Prof. Samuel Jordan.	
Highland Home.	Crenshaw.	8	52.8	-4.5	82	3	29	16	30	1.53	1.07	0.73	.....	4	19	6	5	C. P. Rogers.	
Letohatchie.	Lowndes.	298	0	.....	.....	.....	.....	.....	.....	2.56	.....	1.00	.....	5	24	0	6	Robt. L. King.	
Livingston†.	Sumter.	160	16	.....	.....	81	2	28	15	36	1.47	-1.42	0.60	.....	3	23	1	6	R. L. Carnes.
Meridian, Miss.	Perry.	263	19	53.2	-1.8	81	2	27	16	30	2.75	-0.29	1.70	.....	3	23	1	6	R. W. Gorman.
Mobile.	Lauderdale.	358	8	49.6	-4.1	79	2	23	29	40	1.97	.....	0.85	.....	6	14	8	8	M. J. Wright, Jr.
Montgomery.	Mobile.	57	28	54.4	-3.6	81	2	32	17	32	1.09	-2.70	0.40	.....	4	21	4	5	Central Office.
Mount Willing.	Montgomery.	223	28	54.7	-3.3	80	3	28	17	34	2.23	-1.10	1.56	.....	7	16	9	5	J. H. Knight.
Newberne.	Lowndes.	13	.....	.....	.....	.....	.....	.....	.....	2.56	.....	1.00	.....	5	24	0	6	Dr. J. Huggins.	
Newton.	Hale.	7	49.8	-5.2	80	3	24	17	29	2.35	-0.65	1.27	.....	4	18	7	5	n.w.	
Notasulga§.	Dale.	216	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. L. Carnes.	
Opelika.	Macon.	527	0	.....	.....	.....	.....	.....	.....	1.64	.....	1.24	.....	5	22	0	8	R. D. Boyne.	
Pensacola, Fla.	Clarke.	56	20	57.4	-2.6	79	2	37	16	25	1.22	-2.43	0.82	.....	3	20	7	5	J. T. Jarman.
Prattville.	Autauga.	281	0	49.0	.....	81	2	25	18	37	1.42	.....	1.20	.....	3	21	2	6	O. F. Hill.
Pushmataha.	Choctaw.	9	49.7	-5.4	78	2	24	17	32	2.13	-0.99	0.66	.....	5	21	7	2	Jos. B. Bell.	
Selma†.	Dallas.	147	20	50.2	-4.6	81	3	25	17	37	2.17	-1.06	0.94	.....	4	20	4	5	C. C. Brown.
Tallassee†.	Elmore.	171	21	49.2	-5.2	76	2	27	16	30	1.25	-2.00	1.05	.....	5	29	3	7	R. D. Bayne.
Thomasville†.	Clarke.	385	9	52.6	-3.4	81	3	29	29	39	0.94	-1.51	0.74	.....	3	25	0	5	J. Calloway.
Tuskegee.	Macon.	0	51.9	.....	84	2	25	18	37	1.42	.....	1.20	.....	3	21	2	6	Prof. Geo. W. Carver.	
Union Springs†.	Bullock.	216	13	49.6	-5.4	78	1	23	16	27	2.50	-0.97	2.05	.....	5	19	4	6	P. L. Cowan.
Untiontown.	Perry.	273	14	51.0	-5.1	81	2	26	17	31	5.14	+2.05	2.47	.....	4	19	6	5	Prof. H. Benton.
Verhena§.	Chilton.	450	0	51.0	-3.0	83	5	26	17	38	2.20	.....	1.03	.....	3	23	3	4	J. A. Hester.
Wetumpka†.	Elmore.	205	3	51.0	-3.0	83	5	26	17	38	1.44	-1.92	0.91	.....	3	17	0	13	J. Calloway.
AVERAGES.																			
For Northern district.	.....	.....	46.3	-4.7	.....	.....	.....	.....	.....	1.67	-1.63	.....	T.	5	20	4	6	n.	
Southern district.	.....	.....	51.3	-4.5	.....	.....	.....	.....	.....	2.03	-1.12	.....	T.	4	20	4	6	n.	
State.	.....	.....	48.8	-4.6	.....	.....	.....	.....	.....	1.85	-1.38	.....	T.	4	20	4	6	n.	

† Special river stations.

² Cotton-region stations.

S-Rainfall stations

Weather Bureau

U. S. Engineer's Observers.

1 No report received.

2 Too late to be included in averages.

"T" indicates amount too small to measure.

1 No report received. 2 Too late to be included in averages. 3 Indicates amount too small to measure.
Where temperature extremes occur on several dates, the first date only is given. The letter of the alphabet indicates number of days missing—thus "c" means three days. All records are used in determining State means; but State and district departures are determined by comparison of current data of only such stations as have normals.

Late report for September, 1901.

Bal. Report for September, 1891.

Late report for October, 1901.

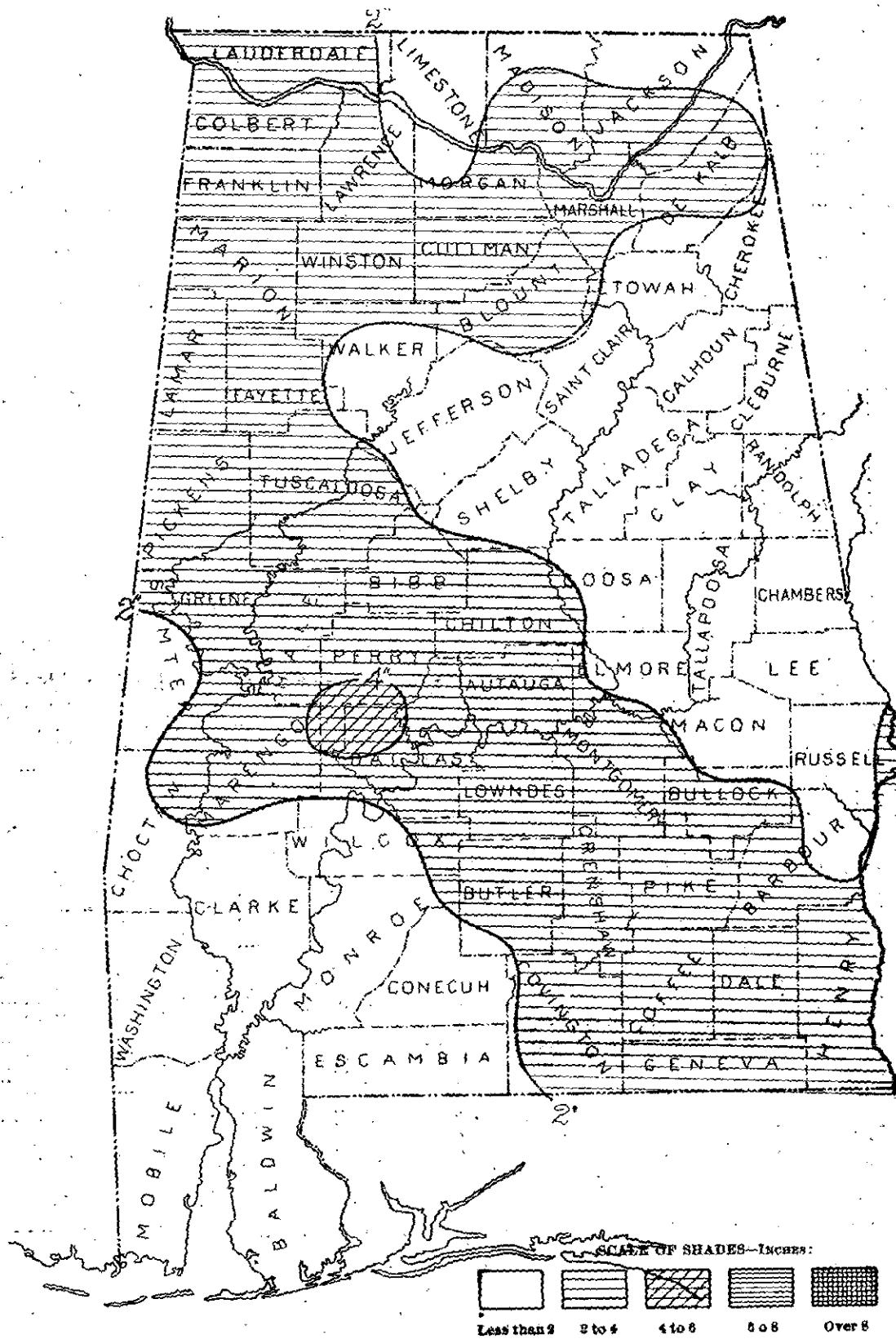
CLIMATE AND CROPS: ALABAMA SECTION.

NOVEMBER, 1901

DAILY MAXIMUM AND MINIMUM TEMPERATURES FOR NOVEMBER, 1901.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly mean.	
	Max.	Min.																															
NORTHERN DISTRICT.																																	
Ashville.....	74.42	72.45	74.44	62.30	56.32	60.26	64.39	60.40	62.46	70.45	68.44	62.26	64.39	56.30	44.33	42.16	48.24	44.36	48.23	56.22	54.37	54.34	54.23	52.44	50.23	58.18	62.28	58.21	58.3	56.13	32.2		
Atlanta, Ga.....	76.54	72.57	68.52	57.39	49.36	60.32	64.44	65.41	69.43	64.49	67.45	63.13	54.34	57.42	44.33	40.31	44.25	51.34	44.32	46.29	55.31	54.30	51.39	54.35	49.32	42.36	56.32	56.38	64.41	50.11	38.4		
Birmingham.....	77.52	61.54	74.60	56.38	54.32	64.31	69.39	65.39	72.36	72.52	74.52	68.60	61.34	59.39	55.35	47.27	52.24	46.32	44.39	52.27	53.27	59.37	53.42	59.36	39.42	56.30	60.20	57.31	60.25	67.52	38.4		
Bridgeport.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Calera.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chattanooga, Tenn.....	76.46	71.54	69.52	52.38	47.33	56.28	68.32	52.38	71.35	67.47	66.48	64.44	58.34	58.40	45.35	42.38	48.27	44.33	49.26	51.26	52.28	47.41	52.39	51.38	53.32	55.29	46.31	58.24	65.41	56.5	35.8		
Columbus, Miss.†.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cordova.....	77.46	75.43	75.51	48.34	51.31	63.27	69.38	62.35	68.35	71.40	72.45	62.51	59.28	61.31	48.46	43.25	46.18	59.35	50.38	49.25	53.23	36.45	52.36	52.33	54.30	54.34	49.25	58.21	65.37	58.2	34.0		
Decatur. b.....	82.46	78.45	72.53	53.33	52.32	67.39	70.35	65.31	66.36	72.42	73.48	65.44	61.28	60.30	50.28	51.19	49.34	48.32	56.27	55.24	53.32	49.40	51.31	58.33	52.27	57.27	60.23	70.33	60.5	33.2			
Florence.....	82.17	80.47	77.49	50.47	55.35	66.28	70.29	71.37	72.32	74.52	65.45	62.31	63.31	49.32	50.23	52.19	45.22	45.32	54.26	57.24	60.24	49.27	60.42	63.25	66.27	67.26	62.1	32.1	62.1	32.1			
Gadsden.....	78.52	72.50	76.56	53.42	54.34	65.33	70.33	68.37	74.32	72.38	74.48	67.50	59.44	61.36	57.25	48.28	52.25	43.40	50.30	52.25	55.25	59.31	61.39	56.35	59.27	61.22	23	61.5	35.1	61.5	35.1		
Goodwater†.....	77.45	80.50	72.52	65.35	58.30	65.28	70.31	65.32	71.30	74.51	73.48	69.54	59.28	60.30	55.26	47.20	52.17	53.29	53.40	52.23	54.22	52.28	49.42	57.29	56.29	60.25	54.24	59.20	65.19	60.9	32.0		
Hamilton.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Helena §.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lock No.4†.....	78.46	78.42	77.50	54.42	63.29	65.32	69.40	67.33	72.31	74.43	73.42	66.46	59.32	60.32	48.29	48.26	53.19	42.20	42.33	52.25	55.24	60.20	47.29	58.40	58.31	57.25	59.26	55.25	60.21	66.26	50.9	32.5	
Madison.....	80.56	79.51	75.57	65.34	53.33	68.27	72.32	66.50	74.33	73.43	73.50	66.52	60.30	58.32	54.28	46.26	50.18	57.27	57.34	51.38	54.24	54.29	52.33	58.38	53.33	53.27	57.27	56.20	69.23	23	61.2	34.0	
Maple Grove. a.....	79.43	78.45	75.45	55.31	54.30	62.32	65.31	64.36	71.53	74.40	73.40	65.48	66.32	62.32	48.25	42.16	42.21	41.21	51.30	54.30	59.29	56.22	55.33	58.36	58.34	58.22	54.26	56.20	67.26	56.2	30.2		
Nashville, Tenn.....	66.54	73.47	72.40	45.34	45.30	62.32	65.31	64.35	71.53	64.40	67.51	57.40	49.34	49.37	44.21	44.22	44.29	51.34	52.39	51.24	50.24	54.30	50.25	59.29	48.31	66.22	66.26	55.6	34.8				
Newburg.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oneonta.....	75.45	74.40	77.55	72.38	59.31	59.26	64.28	63.33	65.31	68.30	68.46	67.40	55.28	57.34	54.29	47.25	49.17	45.24	42.36	48.23	50.21	54.25	50.39	55.36	51.39	52.23	55.23	53.23	55.18	65.31	31.4		
Oxanna.....	77.53	79.52	75.48	68.43	65.34	66.28	68.34	54.37	70.31	71.7	78.72	74.42	65.34	64.30	55.34	47.30	45.18	49.24	51.38	49.28	54.24	50.30	54.35	57.42	60.41	55.35	57.29	56.26	67.25	67.33	34.7		
Riverton.....	78.44	79.41	78.49	72.34	50.31	56.29	68.29	68.39	67.30	69.38	74.41	79.44	59.36	52.26	50.31	43.24	46.18	52.23	50.38	50.29	52.22	54.34	52.30	59.30	59.21	64.23	59.25	60.21	62.30	60.2	30.2		
Rome, Ga.†.....	78.46	75.49	71.51	63.40	47.33	60.28	67.31	64.36	68.30	68.45	70.37	65.38	57.30	57.31	48.32	48.32	49.24	44.31	49.27	50.24	55.32	52.28	56.21	53.21	57.8	32.9	57.7	32.9	57.7	32.9	32.9		
Scottsboro.....	75.45	75.49	75.39	50.31	50.25	59.27	57.51	57.39	58.31	68.47	68.52	61.28	57.31	58.33	43.30	44.15	47.45	47.45	44.22	49.21	50.23	54.27	45.30	50.22	53.25	54.22	55.18	56.22	61.21	29	37		
Talladega. a.....	78.50	80.49	78.54	70.42	53.33	64.28	70.30	67.30	74.31	75.42	73.51	68.68	66.33	65.36	55.36	48.25	53.25	43.39	51.35	55.24	59.28	56.25	55.25	59.21	59.21	65.37	61.8	33.7	61.8	33.7	61.8	33.7	
Tupelo, Miss. §.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuscaloosa. a.....	76.48	75.48	80.48	78.38	54.35	57.32	64.33	58.35	65.34	70.34	70.35	74.50	73.50	64.42	59.31	59.34	49.25	49.23	54.23	45.30	52.27	54.27	54.28	49.34	58.34	58.30	56.28	58.31	58.25	66.7	34.0		
Tuscumbia. a.....	76.44	78.43	70.40	62.30	51.30	54.23	60.24	69.39	69.30	69.36	68.38	68.26	60.25	60.25	60.25	44.22	50.20	50.20	50.30	51.30	50.20	54.35	55.29	55.21	56.21	59.18	65.27	58.7	28.8	58.7	28.8	58.7	28.8
Valley Head.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
SOUTHERN DISTRICT.																																	
Benton§.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bermuda. b.....	63.50	84.53	85.48	57.44	59.33	68.41	73.39	74.40	76.35	77.39	75.54	71.52	76.36	71.48	58.35	55.25	62.23	53.27	54.44	58.34	62.26	64.37	65.37	66.38	67.39	68.38	69.37	67.39	67.39	67.39	67.39	67.39	
Burkville §.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Camp Hill.....	81.53	81.56	77.54	71.41	56.34	66.30	69.33	73.39	72.32	73.42	74.49	73.50	64.31	70.36	65.31	51.26	58.21	50.20	44.31	58.32	59.27	54.31	61.40	62.30	64.38	65.36	66.35	67.34	68.33	69.32	70.31	71.30	
Citronelle.....	82.02	82.60	81.61	65.45	68.35	63.39	74.40	77.50	76.47	70.50	77.51	73.57	62.44	50.31	51.26	51.31	60.35	60.36	67.31	67.34	68.30	68.40	69.35	65.37	66								

TOTAL PRECIPITATION, NOVEMBER.



Daily precipitation for November, 1901

For explanation of characters see foot notes of table, page 5. "N" report received or data incomplete. "L" indicates rainfall less than .01 of an inch.